

DOE Computer Graphics Forum 2012 Site Survey

Site Name: Army Research Laboratory

Site Division or Group: ARL DoD Supercomputing Resource Center (ARL/DSRC)
Data Analysis and Assessment Center (DAAC)

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Group Overview

Mission:

Data analysis and visualization efforts at the US Army Research Laboratory is focused on providing the facilities, software tools and the experience to enable the understanding of physics-based computations by researchers. The DAAC is tasked to develop new techniques for exploiting high-performance computing technology, promote the use of data analysis within DoD and make visualization technology available to DoD researchers.

Past Year's Activities:

DAAC repositioned within ARL/DSRC and separated from CSE project

Focused on delivery and availability of tools across all HPC resources

Implementation of HPC job launching functionality in VisIt/ParaView/EnSight

Support for new utility servers

HPC management has mandated a single "DAAC" entity across program

Plans and Priorities:

CTH reader for VisIt

Modifications to ParaView to meet customer requirements (data readers)

Increased monitoring of application/resource usage

Funding Sources

DoD HPC Program

Current Resources

Hardware:

Various Cray/SGI/Appro HPC systems

<http://www.afrl.hpc.mil/consolidated/hardware.php>

Software:

VisIt/ParaView/EnSight

Secure Remote Desktop (SRD)

Staff:

ARL/DAAC – 2.5 FTE

Planned Growth

Hardware Acquisitions

none

Software Acquisitions

none

Personnel Acquisitions

unknown

Additional Comments

none